

TRANSLATION STOP FOR USE IN POWER EQUIPMENT

Cross-Reference to Related Applications

This application claims the benefit of and priority from the following U.S.

- 5 Provisional Patent Applications, the disclosures of which are herein incorporated by reference: Serial No. 60/233,459, filed September 18, 2000, Serial No. 60/270,011, filed February 20, 2001, Serial No. 60/270,941, filed February 22, 2001, Serial No. 60/270,942, filed February 22, 2001, Serial No. 60/273,177, filed March 2, 2001, Serial No. 60/273,178, filed March 2, 2001, Serial No. 60/273,902, filed March 6, 2001, Serial No. 60/275,594, filed March 13, 2001, Serial No. 60/275,595, filed March 13, 2001, Serial No. 60/279,313, filed March 27, 2001, Serial No. 60/292,081, filed May 17, 2001, Serial No. 60/292,100, filed May 17, 2001, Serial No. 60/298,207, filed June 13, 2001, Serial No. 60/302,937, filed July 2, 2001, Serial No. 60/302,916, filed July 3, 2001, Serial No. 60/306,202, filed July 18, 2001, Serial No. 60/307,657, filed July 25, 2001, Serial No. 60/308,492, filed July 27, 2001, and Serial No. 60/312,141, filed August 13, 2001.

This application claims the benefit of and priority from the following U.S. Patent Applications, the disclosures of which are herein incorporated by reference: Serial No. 09/676,190, filed September 29, 2000, Serial No. 09/929,221, filed August 13, 2001, Serial No. 09/929,226, filed August 13, 2001, Serial No. 09/929,227, filed August 13, 2001, Serial No. 09/929,234, filed August 13, 2001, Serial No. 09/929,235, filed August 13, 2001, Serial No. 09/929,236, filed August 13, 2001, Serial

currently pending

now answered,

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No. 09/929,237, filed August 13, 2001, Serial No. 09/929,238, filed August 13, 2001,
Serial No. 09/929,240, filed August 13, 2001, Serial No. 09/929,241, filed
August 13, 2001, Serial No. 09/929,242, filed August 13, 2001, Serial No. 09/929,244,
^{now U.S. Patent 6,857,345,}
filed August 13, 2001, Serial No. 09/929,425, filed August 13, 2001, and Serial

5/9/05
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5 No. 09/929,426, filed August 13, 2001. These applications, in turn, may claim the benefit
of and priority from one or more of the following U.S. Provisional Patent Applications,
the disclosures of which are herein incorporated by reference: Serial No. 60/225,056,
filed August 14, 2000, Serial No. 60/225,057, filed August 14, 2000, Serial
No. 60/225,058, filed August 14, 2000, Serial No. 60/225,059, filed August 14, 2000,
Serial No. 60/225,089, filed August 14, 2000, Serial No. 60/225,094, filed
August 14, 2000, Serial No. 60/225,169, filed August 14, 2000, Serial No. 60/225,170,
filed August 14, 2000, Serial No. 60/225,200, filed August 14, 2000, Serial
No. 60/225,201, filed August 14, 2000, Serial No. 60/225,206, filed August 14, 2000,
Serial No. 60/225,210, filed August 14, 2000, Serial No. 60/225,211, filed
15 August 14, 2000, and Serial No. 60/225,212, filed August 14, 2000.

Field of the Invention

The present invention relates to safety systems and more particularly to a safety
system that stops translational motion of a cutting tool in power equipment.

Background

20 Power equipment such as miter saws and radial arm saws include circular blades
that move down onto or across a workpiece to cut the workpiece. Pneumatic up-cut chop
saws often have a blade that rises through a slot in a table to cut a board. The blades,